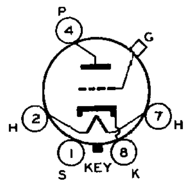


RCA-6F5



HIGH-MU TRIODE

The 6F5 is a high-mu triode of the All-Metal type. It is particularly suitable for use in resistance-coupled amplifier circuits.

CHARACTERISTICS

Heater Voltage (A. C. or D. C.)	6.3	Volts
Heater Current	0.3	Ampere
Plate Voltage	250 *max.*	Volts
Grid Voltage	—2	Volts
Plate Current	0.9	Milliampere
Plate Resistance	66000	Ohms
Amplification Factor	100	
Transconductance	1500	Micromhos
Grid-Plate Capacitance*	2	$\mu\mu$f
Grid-Cathode Capacitance*	6	$\mu\mu$f
Plate-Cathode Capacitance*	12	$\mu\mu$f
Cap		Miniature
Base		Small Wafer Octal 5-Pin

* With shell connected to cathode.

INSTALLATION AND APPLICATION

The **base** pins of the 6F5 fit the standard octal socket which may be mounted to hold the tube in any position. For **heater** operation and **cathode** connection, refer to INSTALLATION for type 6A8.

As an **amplifier** in resistance-coupled a-f circuits, the 6F5 may be operated under conditions given in the Resistance-Coupled A-F Amplifier Section.

In resistance-coupled circuits, the d-c resistance in the grid circuit of the 6F5 should not exceed 1.0 megohm.

When a 6F5 is used to amplify the output of the 6H6 diode, it is recommended that fixed grid bias be employed. Diode-biasing of the 6F5 is not suitable because of the probability of plate-current cut-off, even with relatively small signal voltages applied to the diode circuit.

